

### REMARKS

In the outstanding Official Action, the drawing was objected to because the various features shown in the figures were not labeled descriptively. In response, five Replacement Sheets are provided herewith in which all of the figures are provided with descriptive labels. It is respectfully submitted that the enclosed Replacement Sheets overcome the objection to the drawing.

In the specification, the disclosure was objected to because certain abbreviations were not defined. In response, appropriate definitions are herewith inserted into the specification, and it is respectfully submitted that the objection to the disclosure is thereby overcome.

Claims 1, 10 and 12-13 were objected to because of the noted informalities, and claims 5-9 and 11 were objected to as being in improper form due to improper multiple dependencies. In response, claims 1, 5-10 and 12 have been amended to correct the noted informalities and to place the claims in proper form regarding multiple dependencies as required. With regard to the foregoing amendments, it is noted that no amendment has been made to claim 11 with regard to dependency, since claim 11 is now in proper form as a result of the amendment to claim 9, from which claim 11 depends. Additionally, it is noted that claim 13 has been cancelled.

On the merits, claims 1, 10 and 12-13 were rejected under 35 USC 102(e) as being anticipated by Walton et al, with dependent claims 2-4 being rejected under 35 USC 103(a) as being unpatentable over Walton et al in view of Gore et al, all for the reasons of record.

In response, claim 13 is herewith cancelled, without prejudice, and all of the remaining independent claims have been substantively amended in order to more clearly and precisely define the novel and unobvious features of the instant invention. It is respectfully submitted that the independent claims, as herewith amended, and the remaining claims depending therefrom, are now clearly patentably distinguishable over the cited and applied references for the reasons detailed below.

More specifically, the independent claims have been amended to more specifically and precisely recite that the secondary station configures its receiver resources for processing the received data and interference by using some of the receiver resources designed to receive transmissions for the purpose of interference cancellation and by choosing selected ones of the plurality of its antennas.

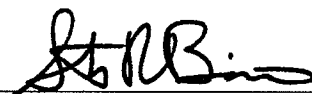
It is respectfully submitted that these additional limitations are neither shown nor suggested in Walton. On the contrary, Walton expressly teaches (in paragraph 0043, cited in the Action) that the receiver determines which subset of transmit antennas should be used for data transmission. In the

instant invention as now more precisely claimed, receiver resources, including selected ones of the secondary station antennas, are chosen for processing the received data and interference.

Additionally, the independent claims have been amended to add the more specific limitation that some of the receiver resources designed to receive transmissions are used for the purpose of interference cancellation. It is believe that such a feature is neither shown nor suggested by the reference.

In view of the foregoing, it is respectfully submitted that the independent claims, as herewith substantively amended, and the remaining claims depending therefrom, are clearly patentably distinguishable over the cited and applied references. Accordingly, allowance of the instant application is respectfully submitted to be justified at the present time, and favorable consideration is earnestly solicited.

Respectfully submitted,

By   
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